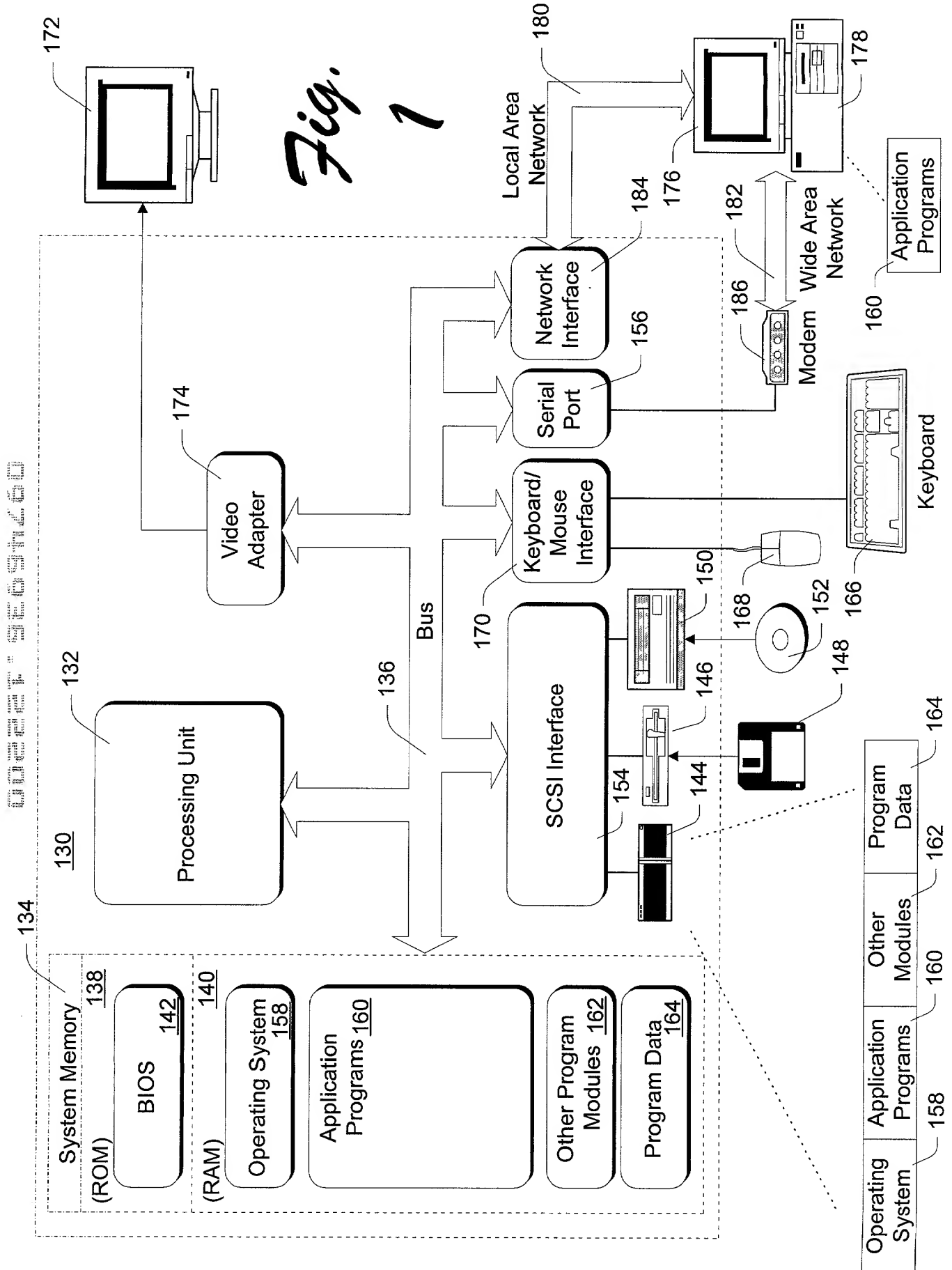
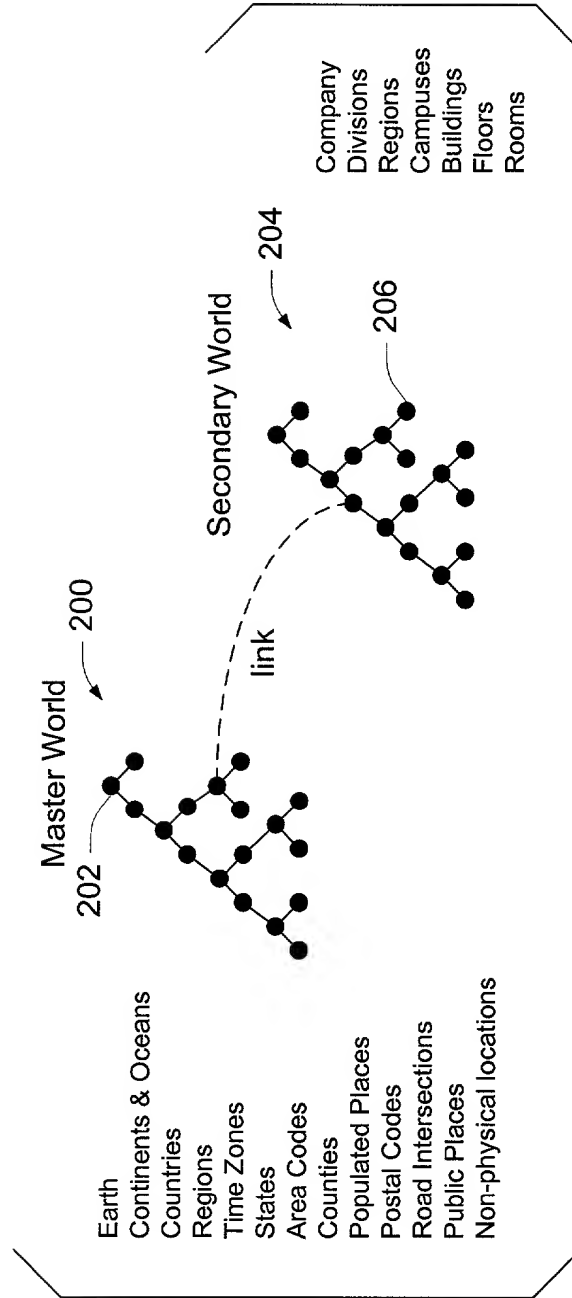
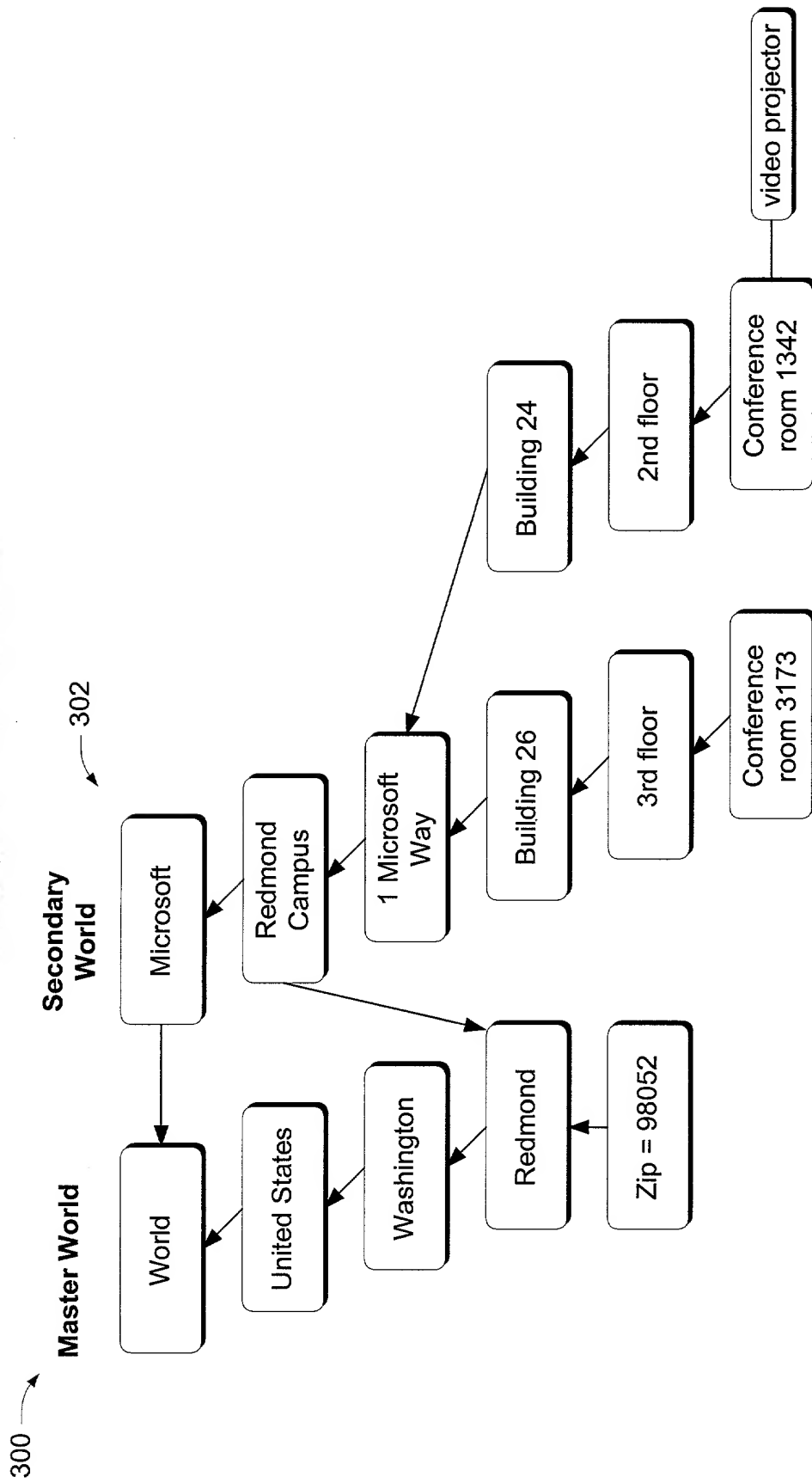


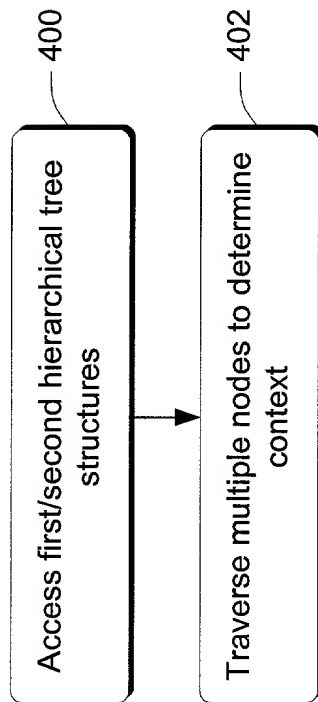
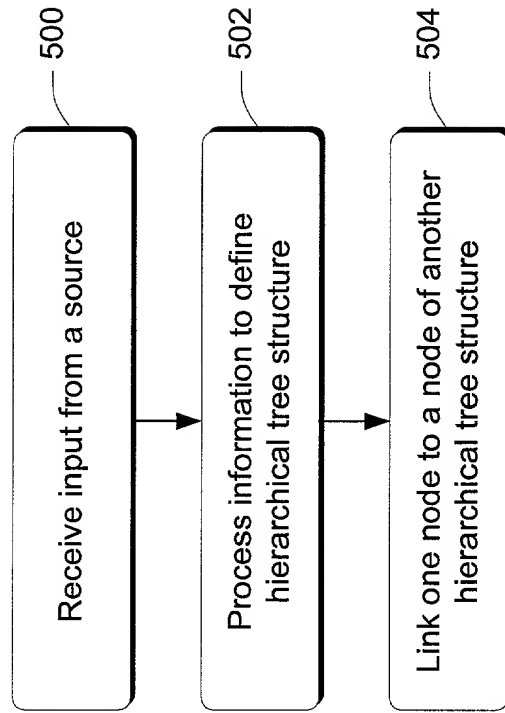
*Fig. 1*

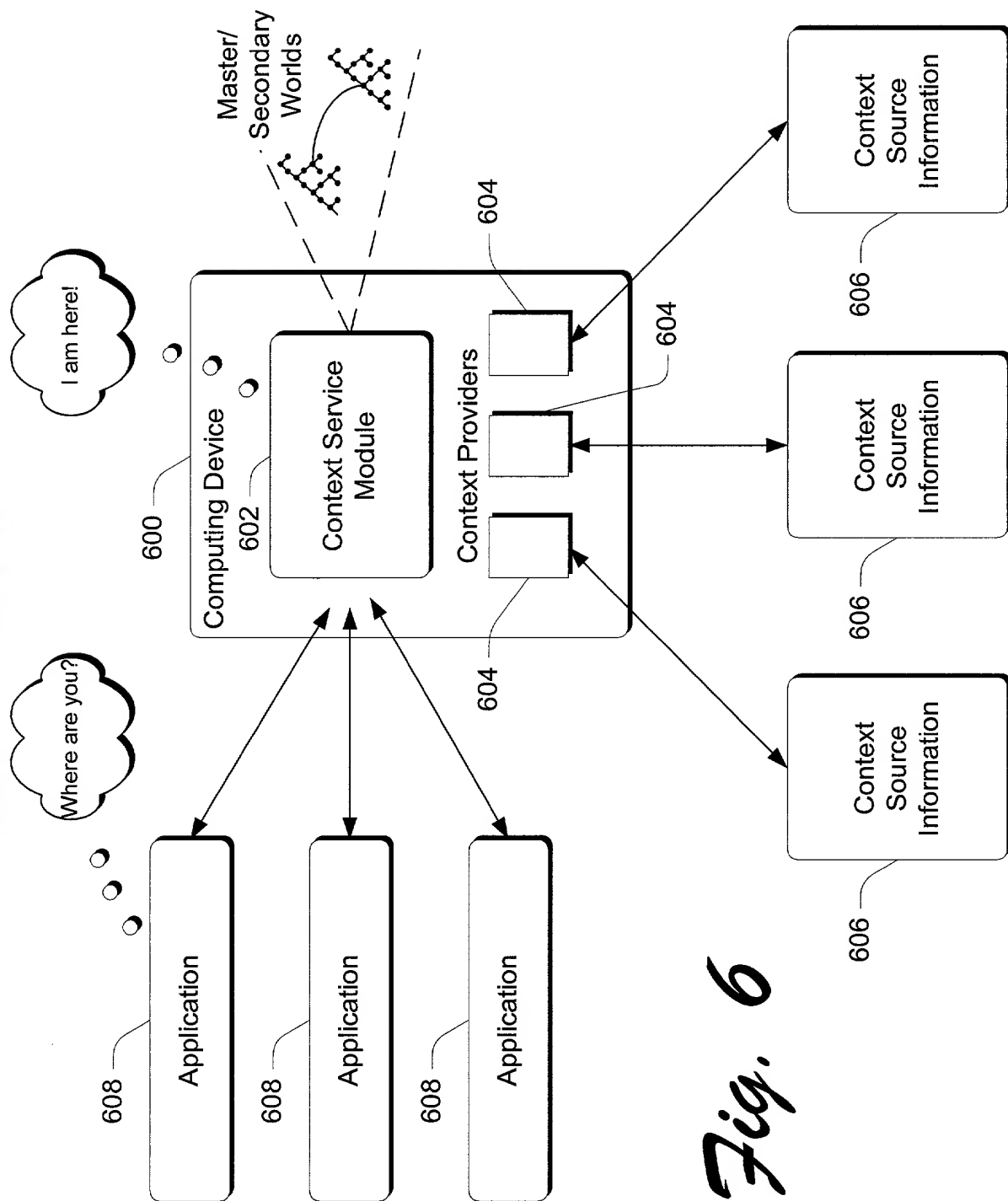


*Fig. 2*

Downloaded from ascelibrary.org

*Fig. 3*

*Fig. 4**Fig. 5*



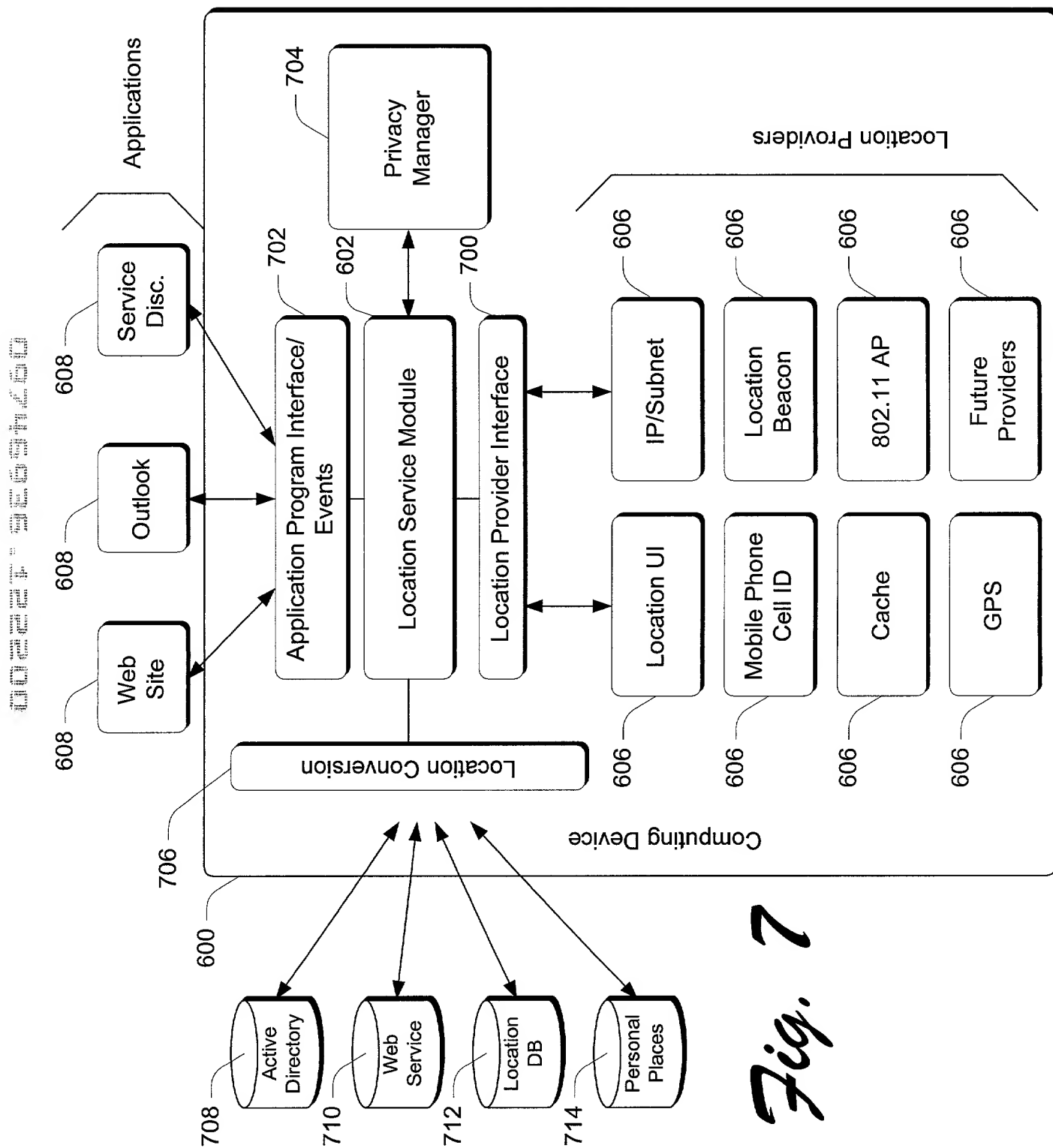


Fig. 7

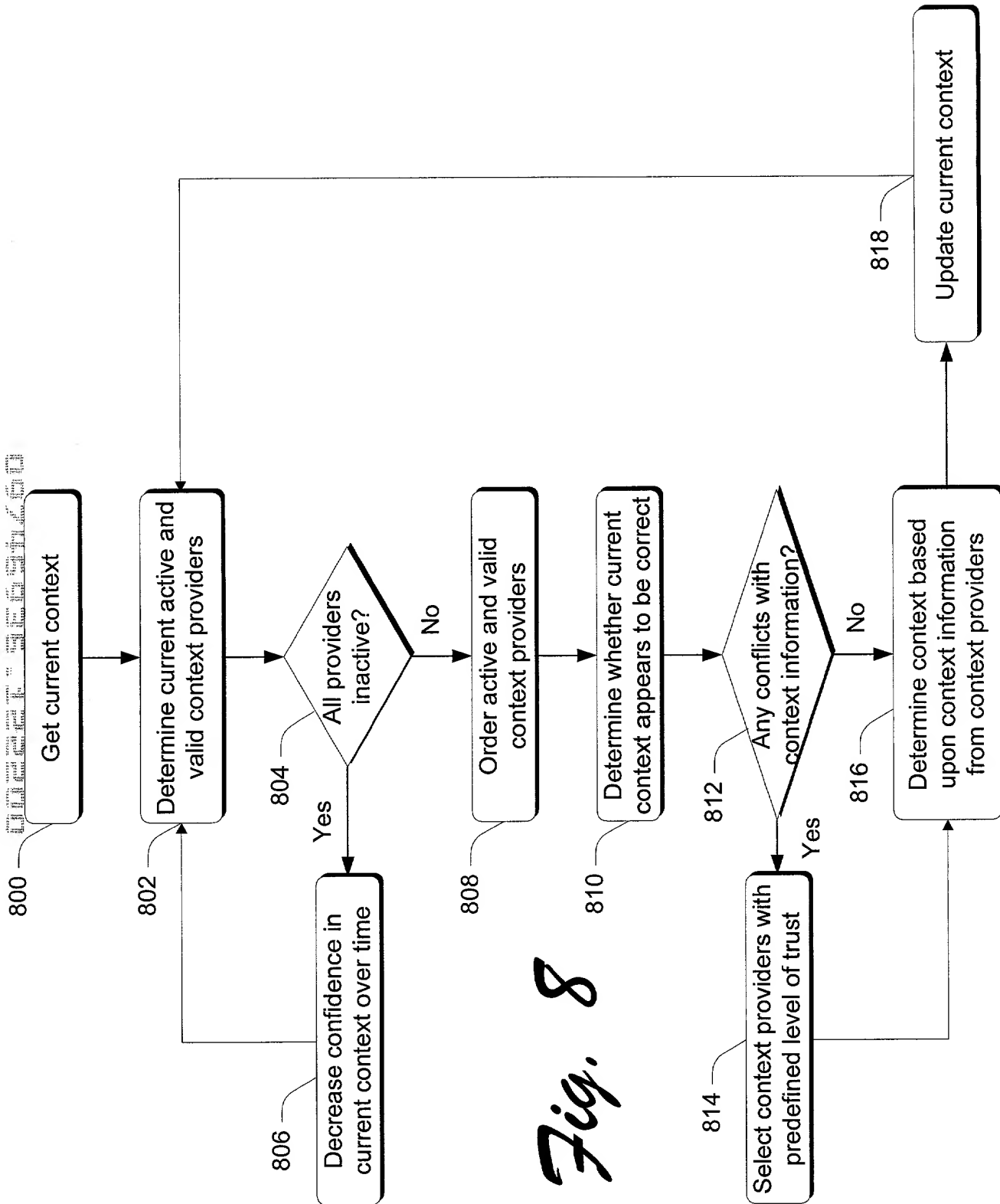
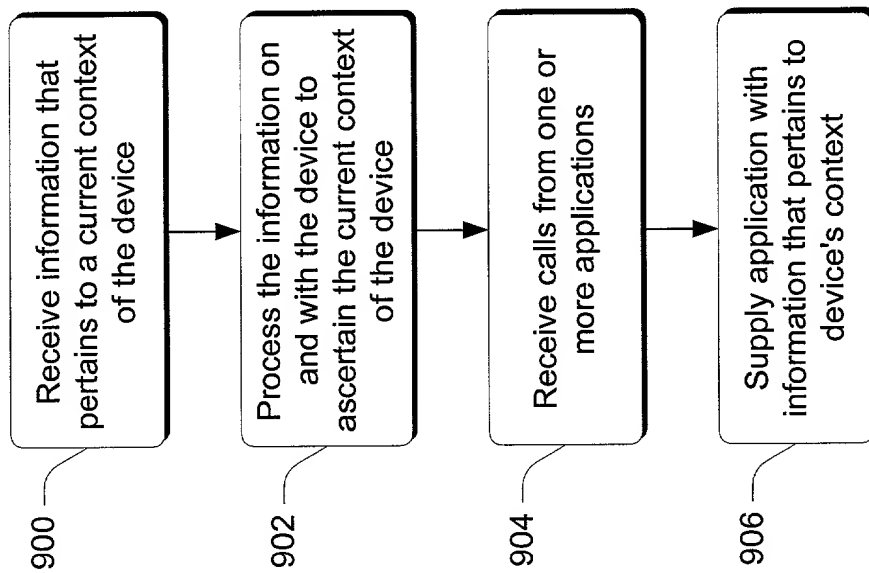
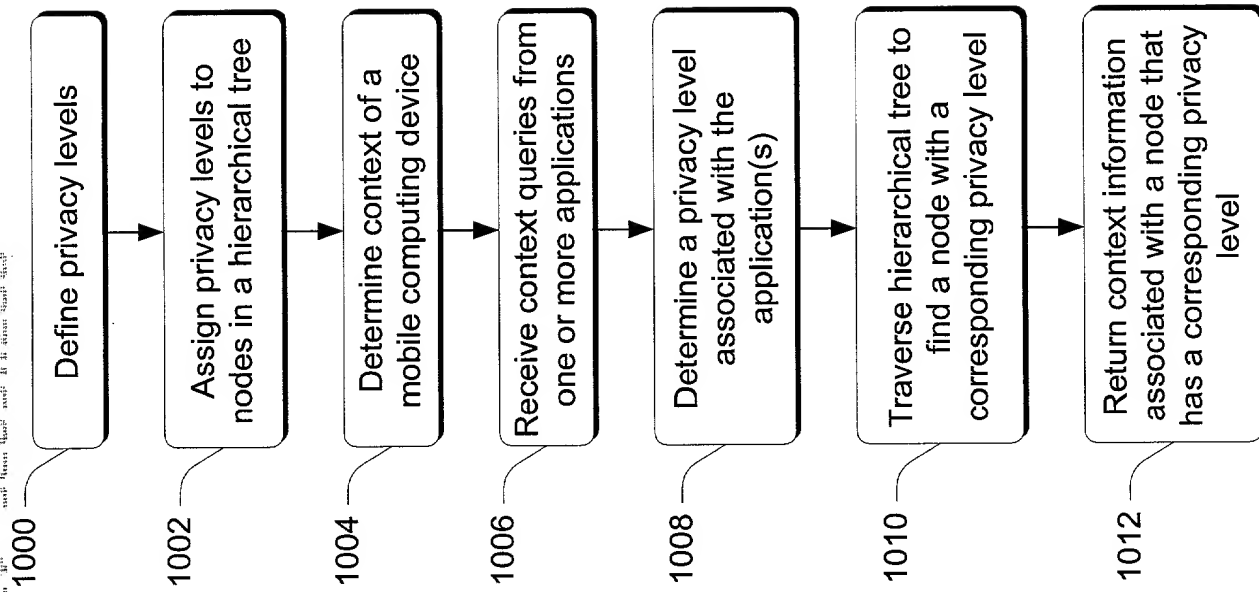


FIG. 9



*Fig. 9*



*Fig. 10*



US 2019/0103425 A1

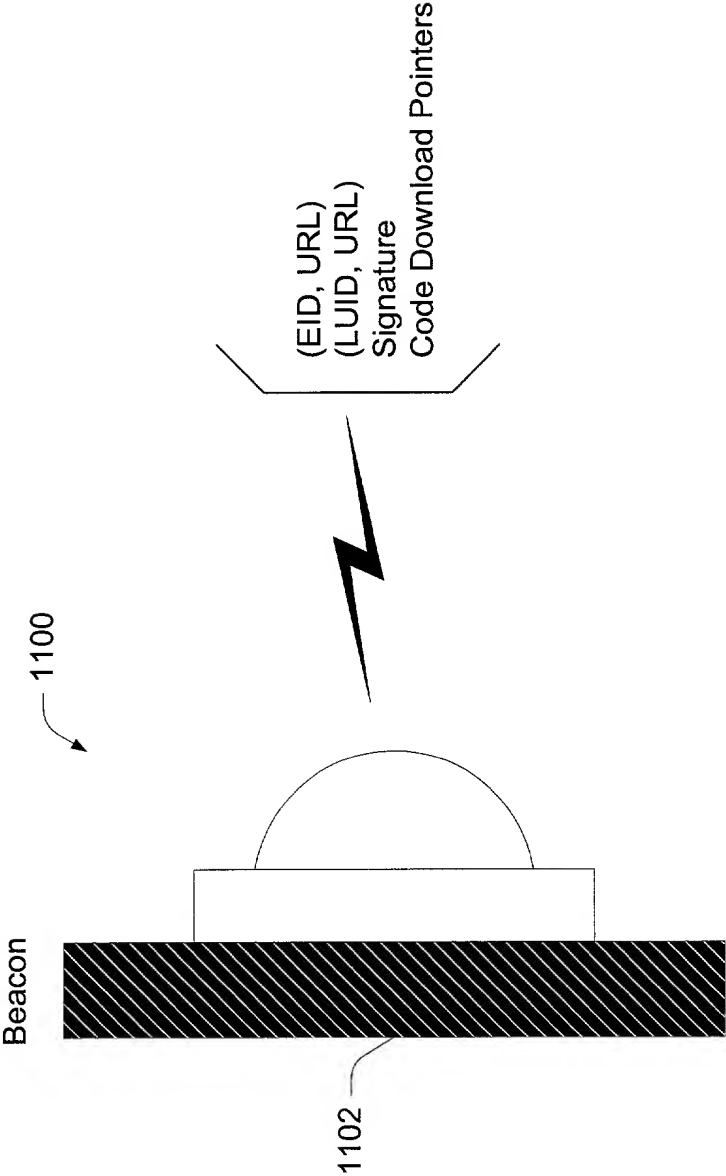
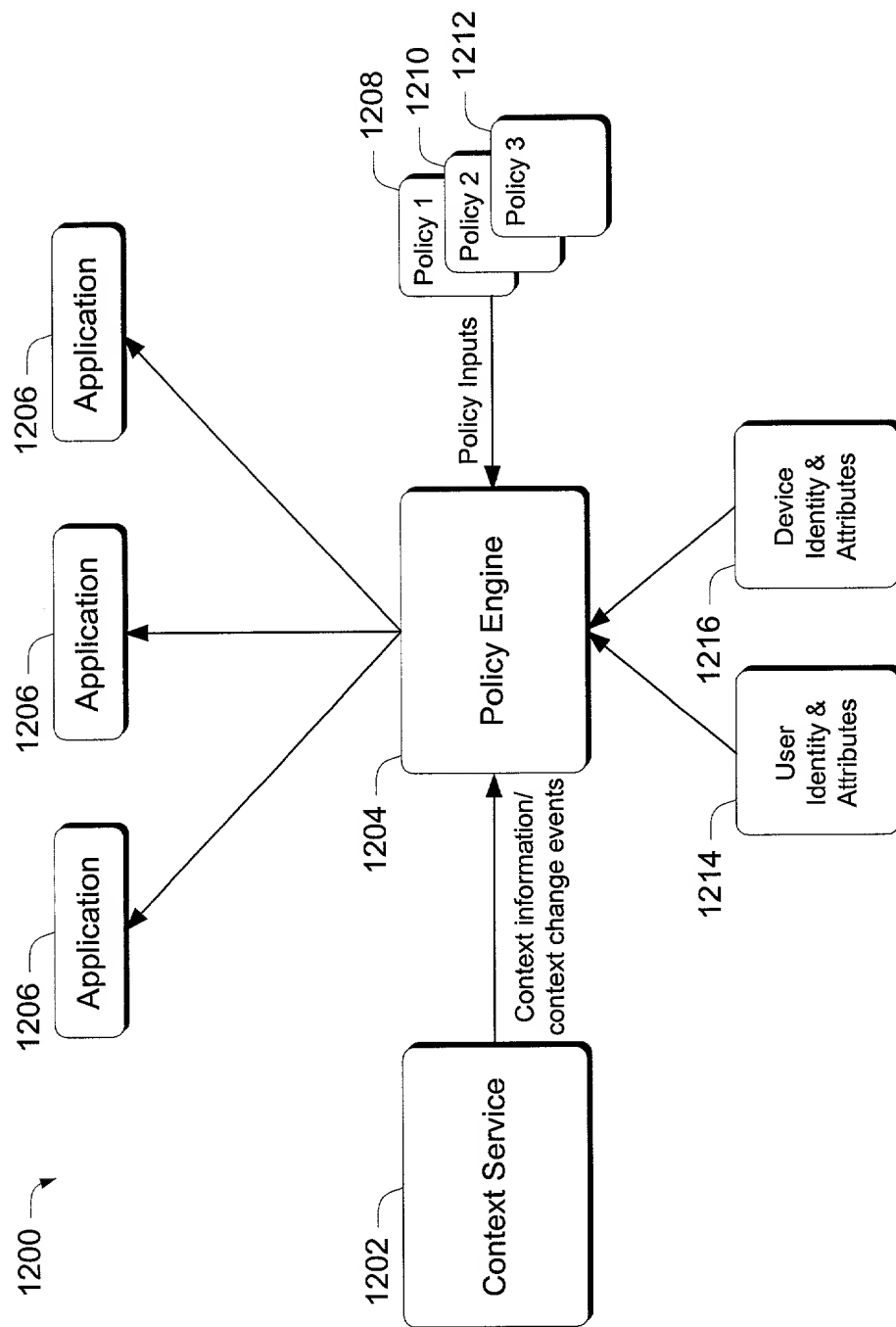


Fig. 11

*Fig. 12*

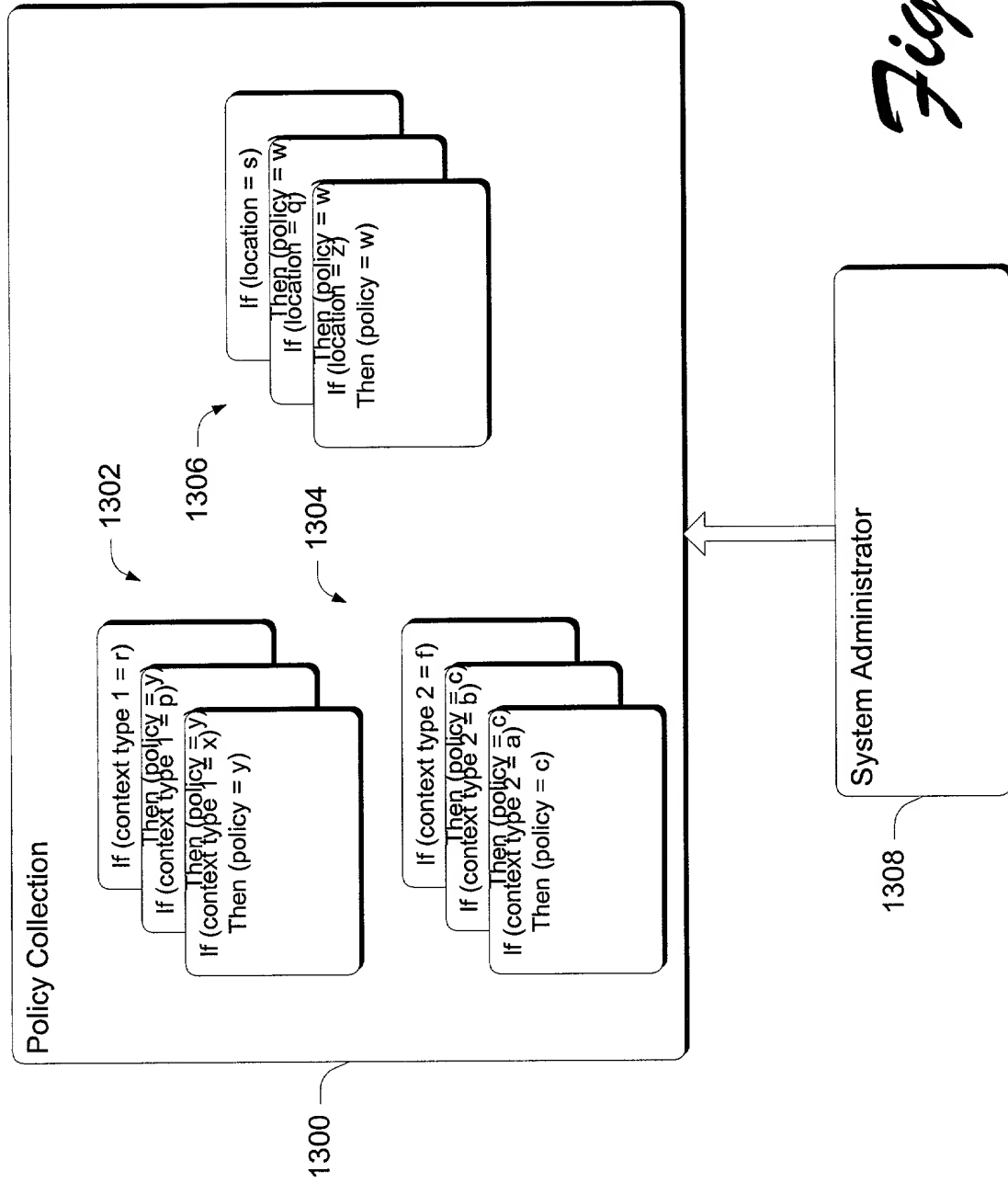


Fig. 13

www.patent.com

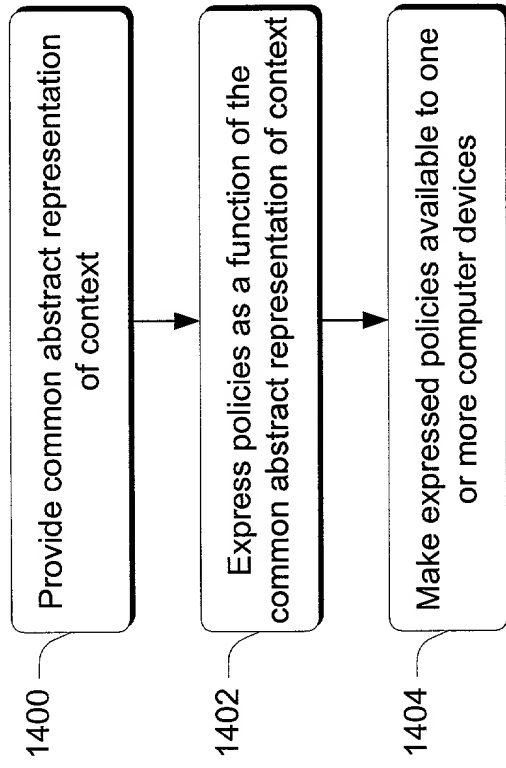


Fig. 14

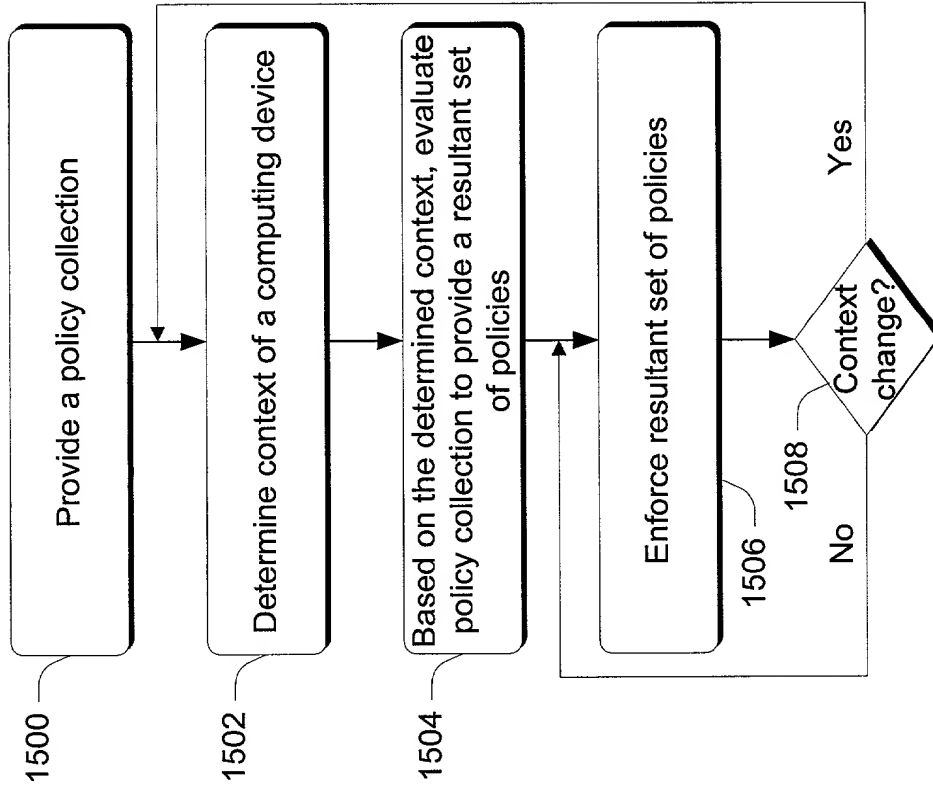


Fig. 15